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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/575,345	03/26/2007	Randell L. Mills	08056.0014-00	2195
22852 7590 10/22/2009 FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER		EXAMINER		
LLP			NGUYEN, DUNG T	
901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			ART UNIT	PAPER NUMBER
			2828	
			MAIL DATE	DELIVERY MODE
			10/22/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/575,345	MILLS, RANDELL L.			
Office Action Summary	Examiner	Art Unit			
	DUNG T. NGUYEN	2828			
The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address			
Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	lely filed the mailing date of this communication. (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 13 Ju	dv 2009				
·— · · · · · · · · · · · · · · · · · ·	action is non-final.				
		secution as to the merits is			
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims	,				
· _					
4) Claim(s) <u>1-24,31,45-49,51-53,58,66,67,149 and 150</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6) Claim(s) <u>1,2,4-14,17,18,21,23,31,45-49,51-53,58,66,67,84,85 and 150</u> is/are rejected.					
7) Claim(s) 3,15,16,20,22,24 and 149 is/are object					
8) Claim(s) are subject to restriction and/or election requirement.					
Application Papers					
9)☐ The specification is objected to by the Examine	r.				
10)⊠ The drawing(s) filed on is/are: a)□ accepted or b)□ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12)☐ Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	-(d) or (f).			
a) All b) Some * c) None of:					
1.☐ Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
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Attachment(s)					
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ite			
3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal P 6) Other:	atent Application			
Paper No(s)/Mail Date	6) [Other:				

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OFFICE ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-2, 4-14, 17-18, 21, 23, 31, 45-49, 51-53, 58, 66-67, 84-85, 150 are rejected under 35 U.S.C. 102(a) as being anticipated by Mills (2003/0129117).

The entire document discloses a laser (light emitting) medium comprising H2(1/p) where p is an integer and 1 ,

a cavity comprising the laser medium, and

a power source to form an inverted population in the energy level of H2(1/p).

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-2, 4-6, 7-14, 19, 21, 23, 31, 48-49, 51-53, 58, 66, 84-85, 150 are rejected under 35 U.S.C. 102(b) as being anticipated by Rhodes (3789319).

The entire document and Fig.1 disclose a laser (light emitting) medium comprising H2(1/p) where p is an integer and 1 (the examiner chooses "p" equal to 1),

a cavity 23-24 comprising the laser medium, and

a power source 19-20 to form an inverted population in the energy level of H2(1/p).

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Allowable Subject Matter

Claims 3, 20, 22 are objected to as being dependent upon a rejected base claim, but

would be allowable if rewritten in independent form including all of the limitations of the base

claim and any intervening claims.

Claims 15-16, 24, 149 are also found objected due to their dependency on claim 3.

Communication Information

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Dung (Michael) T Nguyen whose telephone number is (571)

272-1949. The examiner can normally be reached on 8:30 - 17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Min Harvey can be reached on (571) 272-1835. The fax phone number for the

organization where this application or proceeding is assigned is (571) 273-1835.

Michael Dung Nguyen

Primary Examiner

/Dung (Michael) T Nguyen/

Primary Examiner, Art Unit 2828